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NOVEL PROTEINS

PN7098

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PN7771

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PN12218

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PN13734

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16

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Antisense Oligonucleotides Directed Against:

ERK3

SEQ ID NO:11   5'-ttctctgccattttgaaacc-3'

SEQ ID NO:12   5'-ctctgccattttgaaaccct-3'

SEQ ID NO:13   5'-ctgccattttgaaaccctta-3'

PRKAR1A

SEQ ID NO:14   5'-ccagactccatggttctctg-3'

SEQ ID NO:15   5'-agactccatggttctctggg-3'

SEQ ID NO:16   5'-actccatggttctctgggga-3'

KRT23(209)

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PN7098

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SEQ ID NO:22   5'-ccaccatggagagcaattag-3'

AL117237

SEQ ID NO:23   5'-ttcctcagcatagatttat-3'

SEQ ID NO:24   5'-cctcagcatagattttatga-3'

SEQ ID NO:25   5'-tcagcatagattttatgaga-3'

PCNT2

SEQ ID NO:26   5'-tcaacttccatctccctcag-3'

SEQ ID NO:27   5'-aacttccatctccctcagac-3'

SEQ ID NO:28   5'-cttccatctccctcagactc-3'

PROX1

SEQ ID NO:29   5'-tggtcaggcatcactggacg-3'

SEQ ID NO:30   5'-gtcaggcatcactggacggt-3'

SEQ ID NO:31   5'-caggcatcactggacggtta-3'

HOOK1

SEQ ID NO:32   5'-gtctcctccatggccggcgc-3'

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IGHG1

No ATG identified. Used three different sequences, one from the beginning, middle, and end.

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SEQ ID NO:36   5'-cagggtcttcgtggctcacg-3':

SEQ ID NO:37   5'-ctgcgtgtagtggttgtgca-3'

GOLGA2

SEQ ID NO:38   5'-accgactccattaccagccc-3'

SEQ ID NO:39   5'-cgactccattaccagcccct-3'

SEQ ID NO:40   5'-actccattaccagcccctga-3'

19

KIAA0555

SEQ ID NO:41   5'-ttcttggacattgttccttt-3'

SEQ ID NO:42   5'-cttggacattgttcctttct-3'

SEQ ID NO:43   5'-tggacattgttcctttctaa-3':

LRPPRC

SEQ ID NO:44   5'-gcttcctccatttttgccag-3'

SEQ ID NO:45   5'-ttcctccatttttgccagga-3'

SEQ ID NO:46   5'-cctccatttttgccaggaaa-3'

SET

SEQ ID NO:47   5'-tgcgccgacatggtgctgct-3'

SEQ ID NO:48   5'-cgccgacatggtgctgctcc-3'

SEQ ID NO:49   5'-ccgacatggtgctgctccgc-3'

TL21

No ATG identified. Used three different sequences, one from the beginning, middle, and end.

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SEQ ID NO:51   5'-cattttctcaagtccttctc-3'

SEQ ID NO:52   5'-taatccaggataactcagca-3'

KAISO

SEQ ID NO:53   5'-ctactctccatgcctgcttc-3'

SEQ ID NO:54   5'-actctccatgcctgcttccc-3'

SEQ ID NO:55 5'-tctccatgcctgcttcccgg-3'

PN7771

SEQ ID NO:56 5'-acctcagccatctgcaacaa-3'

SEQ ID NO:57 5'-ctcagccatctgcaacaagg-3'

SEQ ID NO:58 5'-cagccatctgcaacaaggct-3'

TSP3

SEQ ID NO:59 5'-tgcgtctccatgcctctcag-3'

SEQ ID NO:60 5'-cgtctccatgcctctcagcc-3'

SEQ ID NO:61 5'-tctccatgcctctcagccgg-3'

MDH1

No ATG identified. Used three different sequences, one from the beginning, middle, and end.

SEQ ID NO:62 actctgattggttcagacat

SEQ ID NO:63 5'-cagtcacaccaagtttaaga-3'

SEQ ID NO:64 5'-ttgattacaacagggaatga-3'

GA17

SEQ ID NO:65 5'-gggacgctcatggtgcaggc-3'

SEQ ID NO:66 5'-gacgctcatggtgcaggccc-3'

SEQ ID NO:67 5'-cgctcatggtgcaggcccgg-3'

CAPN4

SEQ ID NO:68 5'-accaggaacatggctgcgac-3'

SEQ ID NO:69 5'-caggaacatggctgcgactc-3'

21

SEQ ID NO:70   5'-ggaacatggctgcgactcac-3'

BAT3

SEQ ID NO:71   5'-ttaggctccatggccgacag-3'

SEQ ID NO:72   5'-aggctccatggccgacaggt-3'

SEQ ID NO:73   5'-gctccatggccgacaggtct-3'

ABLIM1

SEQ ID NO:74   5'-aaggcaggcatcttggcatg-3'

SEQ ID NO:75   5'-ggcaggcatcttggcatgga-3'

SEQ ID NO:76   5'-caggcatcttggcatggatt-3'

NICE-4

SEQ ID NO:77   5'-gatgtcatcatttacagtat-3'

SEQ ID NO:78   5'-tgtcatcatttacagtatat-3'

SEQ ID NO:79   5'-tcatcatttacagtatatac-3'

CYT4

SEQ ID NO:80   5'-cacaggtccattccgacgcc-3'

SEQ ID NO:81   5'-caggtccattccgacgcctc-3'

SEQ ID NO:82   5'-ggtccattccgacgcctctg-3'

JNK3A2

SEQ ID NO:83   5'-tggaggctcataaataccac-3'

SEQ ID NO:84   5'-gaggctcataaataccacag-3'

SEQ ID NO:85   5'-ggctcataaataccacagct-3'

C-NAP1

SEQ ID NO:86   5'-cttgtctccatgagggcacc-3'

SEQ ID NO:87   5'-tgtctccatgagggcaccag-3'

SEQ ID NO:88 5'-tctccatgagggcaccaggt-3'

VCL(1066)

SEQ ID NO:89   5'-aacactggcatcgcggcggc-3'

SEQ ID NO:90   5'-cactggcatcgcggcggcga-3'

SEQ ID NO:91   5'-ctggcatcgcggcggcgagc-3'

PSF

SEQ ID NO:92   5'-tcccgagacatgtctgtggt-3'

SEQ ID NO:93   5'-ccgagacatgtctgtggtca-3'

SEQ ID NO:94   5'-gagacatgtctgtggtcaag-3'

FNTA

There are only 6 nucleotides before the start codon, so I used 11 nucleotides after the start codon to maintain the 20 nuclueotides and I didn't shift left.

SEQ ID NO:95   5'-cctcggtggccgccatctcg-3'

SEQ ID NO:96   5'-tcggtggccgccatctcgcc-3'

TPRD

SEQ ID NO:97   5'-aaattgtccatggtgcacaa-3'

SEQ ID NO:98   5'-attgtccatggtgcacaagt-3'

SEQ ID NO:99   5'-tgtccatggtgcacaagtct-3'

PN9190

No ATG identified. Used three different sequences, one from the beginning, middle, and end.

SEQ ID NO:100   5'-ctataactactactgtgcat-3'

SEQ ID NO:101   5'-gtactcttctttaaccagtg-3'

SEQ ID NO:102   5'-ggtctgtgtgtctgggggac-3'

PPL

There are only 11 nucleotides identified before the start codon so I didn't shift to the left.

SEQ ID NO:103   5'-agcgagttcatggtggcgct-3'

SEQ ID NO:104   5'-cgagttcatggtggcgctcg-3'

Golgin-84

SEQ ID NO:105   5'-aaccaagacatgatggcagc-3'

SEQ ID NO:106   5'-ccaagacatgatggcagcag-3'

SEQ ID NO:107   5'-aagacatgatggcagcagga-3'

CLIC1

SEQ ID NO:108   5'-cacagtaccatgaacagtct-3'

SEQ ID NO:109   5'-cagtaccatgaacagtctct-3'

SEQ ID NO:110   5'-gtaccatgaacagtctctgg-3'

AKR7A2

SEQ ID NO:111   5'-ggccgggacatggcgagcgc-3'

SEQ ID NO:112   5'-ccgggacatggcgagcgcgc-3'

SEQ ID NO:113   5'-gggacatggcgagcgcgcgg-3'

UNR(798)

SEQ ID NO:114   5'-tcaaagctcatctcgcagtg-3'

SEQ ID NO:115   5'-aaagctcatctcgcagtgat-3'

SEQ ID NO:116   5'-agctcatctcgcagtgatac-3'

GBDR1

SEQ ID NO:117   5'-tgcacgaacatcccgccgcc-3'

SEQ ID NO:118   5'-cacgaacatcccgccgccgc-3'

SEQ ID NO:119 5'-cgaacatcccgccgccgccg-3'

KIAA0614

No nucleotides were identified before the start codon, so I chose three different 20 nucleotide sequences from the beginning, middle, and end.

SEQ ID NO:120   5'-actgtatctccttccaccat-3'

SEQ ID NO:121   5'-gattgactttctttacaaga-3'

SEQ ID NO:122 5'-gaacatctccagggccccccc-3'

LDHM

SEQ ID NO:123   5'-agagttgccatattggactt-3'

SEQ ID NO:124   5'-agttgccatattggacttgg-3'

SEQ ID NO:125   5'-ttgccatattggacttggaa-3'

EIF3S10

SEQ ID NO:126   5'-taggccggcatcttggcggc-3'

SEQ ID NO:127   5'-ggccggcatcttggcggcag-3'

SEQ ID NO:128   5'-ccggcatcttggcggcaggc-3'

SLAP2

SEQ ID NO:129   5'-ttttcttccatttcatctat-3'

SEQ ID NO:130   5'-ttcttccatttcatctattt-3'

SEQ ID NO:131   5'-cttccatttcatctatttta-3'

SART-1

SEQ ID NO:132   5'-gacgaccccatagtggcacg-3'

SEQ ID NO:133   5'-cgaccccatagtggcacgtc-3'

SEQ ID NO:134   5'-accccatagtggcacgtcca-3'

ITRAF

SEQ ID NO:135   5'-tttttatccattcctcttcg-3'

SEQ ID NO:136   5'-tttatccattcctcttcgtc-3'

SEQ ID NO:137   5'-tatccattcctcttcgtcct-3'

NUMA1

SEQ ID NO:138   5'-tggagtgtcatcttggtgat-3'

SEQ ID NO:139 5'-gagtgtcatcttggtgatgc-3'

SEQ ID NO:140   5'-gtgtcatcttggtgatgcca-3'

SPA1

SEQ ID NO:141   5'-cacatgggcatgctctgtgg-3'

SEQ ID NO:142   5'-catgggcatgctctgtgggc-3'

SEQ ID NO:143   5'-tgggcatgctctgtgggcct-3'

FYCO1

SEQ ID NO:144   5'-gtggaggccatggtgagttt-3'

SEQ ID NO:145   5'-ggaggccatggtgagtttgc-3'

SEQ ID NO:146   5'-aggccatggtgagtttgcct-3'

DNCL1

SEQ ID NO:147   5'-cggtcgcacatggttaccgt-3'

SEQ ID NO:148   5'-gtcgcacatggttaccgtgg-3'

SEQ ID NO:149   5'-cgcacatggttaccgtggag-3'

ACTB

SEQ ID NO:150   5'-tcatcatccatggtgagctg-3'

SEQ ID NO:151   5'-atcatccatggtgagctggc-3'

SEQ ID NO:152   5'-catccatggtgagctggcgg-3'

KU70

SEQ ID NO:153   5'-caccctgacatgttggctac-3'

SEQ ID NO:154   5'-ccctgacatgttggctactg-3'

SEQ ID NO:155   5'-ctgacatgttggctactgct-3'

COPP

SEQ ID NO:156   5'-cgcagaggcatggtgcgtcg-3'

SEQ ID NO:157   5'-cagaggcatggtgcgtcggt-3'

SEQ ID NO:158   5'-gaggcatggtgcgtcggtcc-3'

OSTP

SEQ ID NO:159   5'-gcaattctcatggtagtgag-3'

SEQ ID NO:160   5'-aattctcatggtagtgagtt-3'

SEQ ID NO:161   5'-ttctcatggtagtgagtttt-3'

SLC8A1

SEQ ID NO:162   5'-atgttgtacatgacacttcc-3'

SEQ ID NO:163   5'-gttgtacatgacacttccaa-3'

SEQ ID NO:164 5'-tgtacatgacacttccaact-3'

A2-CAT

SEQ ID NO:165   5'-gccgaagtcatgctccctct-3'

SEQ ID NO:166   5'-cgaagtcatgctccctctgt-3'

SEQ ID NO:167   5'-aagtcatgctccctctgtgg-3'

THRSP

Only 10 nucleotides were identified before the start codon, so I
included 7 nucleotides after the start codon and I didn't shift
left two spots.

SEQ ID NO:168   5'-tagcacctgcatggttgctt-3'

SEQ ID NO:169   5'-gcacctgcatggttgcttcc-3'

OPA1

SEQ ID NO:170   5'-agtcgccacatcccgccggc-3'

SEQ ID NO:171   5'-tcgccacatcccgccggcgg-3'

SEQ ID NO:172   5'-gccacatcccgccggcgggg-3'

PN12218

SEQ ID NO:173   5'-gcggagcagtgacgcggcat-3'

SEQ ID NO:174   5'-gaggcctcttccacaggaaa-3'

SEQ ID NO:175   5'-atgctgctgctcagctgcat-3'

CIN85

SEQ ID NO:176   5'-ggcctccaccattgcgtcga-3'

SEQ ID NO:177   5'-atggcctccaccattgcgtc-3'

SEQ ID NO:178   5'-ctatggcctccaccattgcg-3'

PN13734

SEQ ID NO:179   5'-gatcctgtccattagaatgt-3'

SEQ ID NO:180   5'-aggatcctgtccattagaat-3'

SEQ ID NO:181   5'-gcaggatcctgtccattaga-3'

FUBP1

SEQ ID NO:182   5'-atagtctgccatggttgcac-3'

SEQ ID NO:183   5'-gaatagtctgccatggttgc-3'

SEQ ID NO:184   5'-ttgaatagtctgccatggtt-3'

LRP1

SEQ ID NO:185   5'-cggggtcagcatggtgtggg-3'

SEQ ID NO:186   5'-ggcggggtcagcatggtgtg-3'

SEQ ID NO:187   5'-acggcggggtcagcatggtg-3'

FUS(526) and FUS(525)

SEQ ID NO:188   5'-gtttgaggccatgtccgcgc-3'

SEQ ID NO:189   5'-tcgtttgaggccatgtccgc-3'

SEQ ID NO:190   5'-aatcgtttgaggccatgtcc-3'

XE169

SEQ ID NO:191   5'-ccccggctccatggtgggcc-3'

SEQ ID NO:192   5'-gaccccggctccatggtggg-3'

SEQ ID NO:193   5'-cggaccccggctccatggtg-3'

NAG4

SEQ ID NO:194   5'-cttcttgcccatatccgacc-3'

SEQ ID NO:195   5'-tgcttcttgcccatatccga-3'

SEQ ID NO:196   5'-tgtgcttcttgcccatatcc-3'

ESRRA

SEQ ID NO:197   5'-gagctcatctccaatcccat-3'

SEQ ID NO:198   5'-agcagggaaggggcccggga-3'

SEQ ID NO:199   5'-gggccagcactttgcccgct-3'

CTNNB1

SEQ ID NO:200   5'-ttgagtagccattgtccacg-3'

SEQ ID NO:201   5'-gcttgagtagccattgtcca-3'

SEQ ID NO:202   5'-cagcttgagtagccattgtc-3'

CIT

SEQ ID NO:203   5'-gaacttcaacatctccccac-3'

SEQ ID NO:204   5'-ttgaacttcaacatctcccc-3'

SEQ ID NO:205   5'-atttgaacttcaacatctcc-3'

HSBP1

SEQ ID NO:206   5'-aaagaggctcattcccgtac-3'

SEQ ID NO:207   5'-tcaaagaggctcattcccgt-3'

SEQ ID NO:208   5'-gatcaaagaggctcattccc-3'

ROCK2

SEQ ID NO:209   5'-gggccggctcatgccgccac-3'

SEQ ID NO:210   5'-ggggccggctcatgccgcc-3'

SEQ ID NO:211   5'-gcggggccggctcatgccg-3'

TILP(392)

SEQ ID NO:212   5'-ctaccagtgcatccatgaca-3'

SEQ ID NO:213   5'-ttctaccagtgcatccatga-3'

SEQ ID NO:214   5'-tcttctaccagtgcatccat-3'

LRRFIP2a

SEQ ID NO:215   5'-aggagtccccatcttgtgtt-3'

SEQ ID NO:216   5'-gcaggagtccccatcttgtg-3'

SEQ ID NO:217   5'-aagcaggagtccccatcttg-3'

PSAP

SEQ ID NO:218   5'-gagggcgtacatagcaccgt-3'

SEQ ID NO:219   5'-aagagggcgtacatagcacc-3'

SEQ ID NO:220   5'-ggaagagggcgtacatagca-3'

NOTCH2

SEQ ID NO:221   5'-cagggcgggcatcttctcgg-3'

SEQ ID NO:222   5'-cgcagggcgggcatcttctc-3'

SEQ ID NO:223   5'-ggcgcagggcgggcatcttc-3'

Peptide Fragments

Of PRAK Interactors

ERK3
SEQ ID NO:224   PMDEPISSHPFHIEDEVDDI
SEQ ID NO:225   TEPCWQYSDHHENKYCDLEC
SEQ ID NO:226   LISKSVSQEKQEKGMANLAQ
SEQ ID NO:227   GEFLFNKQLESIGIPQFHSP
SEQ ID NO:228   VWRESEVNHYYEPKLIIDLS
SEQ ID NO:229
QFSEHDWPVHNNFDIDEVQLDPRALSDVTDEEEVQVDPRKYLDGDREKYL
SEQ ID NO:230
NSGEFLFNKQLESIGIPQFHSPVGSPLKSIQATLTPSAMKSSPQIPHQTY

PRKAR1A
SEQ ID NO:231   MESGSTAASEEARSLRECEL
SEQ ID NO:232   YVQKHNIQALLKDSIVQLCT
SEQ ID NO:233   ARPERPMAFLREYFERLEKE
SEQ ID NO:234   EAKQIQNLQKAGTRTDSRED
SEQ ID NO:235   EISPPPPNPVVKGRRRRGAI
SEQ ID NO:236
EAKQIQNLQKAGTRTDSREDEISPPPPNPVVKGRRRRGAISAEVYTEEDA
SEQ ID NO:237
AASEEARSLRECELYVQKHNIQALLKDSIVQLCTARPERPMAFLREYFER

KRT29(209)
SEQ ID NO:238   MEKHHVPSDFNVNVKVDTGP
SEQ ID NO:239   REDLIKVLEDMRQEYELIIK

PN7098
SEQ ID NO:240   DEEDYTEPVADNETDYVEVM
SEQ ID NO:241   MQAYDHLSYETPYETPQDEG
SEQ ID NO:242   EITKPKRIRPSFKEAALRAY
SEQ ID NO:243   VCGGAGGGLYGIDSMPDLRR
SEQ ID NO:244   FKKTLQALIYPMSSTIPHNF
SEQ ID NO:245
LYGIDSMPDLRRKKTLPIVRDVAMTLAARKSGLSLAMVIRTSLNNEELKM
SEQ ID NO:246
LSYETPYETPQDEGYDGPADDMVSEEGLEPLNETSAEMEIREDENQNIPE

AL117237
SEQ ID NO:247   YLGLALDVDRIKKDQEEEED
SEQ ID NO:248   DQGPPCPRLSRELLEVVEPE
SEQ ID NO:249   LQDSLDRCYSTPSSCLEQPD
SEQ ID NO:250   SCQPYGSSFYALEEKHVGFS

SEQ ID NO:251
YLGLALDVDRIKKDQEEEEDQGPPCPRLSRELLEVVEPEVLQDSLDRCYS
SEQ ID NO:252
RLSRELLEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPYGSSFYALEEKH

PCNT2
SEQ ID NO:253   TPEQRGIFTISDHPAEQRGM
SEQ ID NO:254   AVHGLELEALRLSLSNMHTA
SEQ ID NO:255   HELELLREQHAREKEEVVLR
SEQ ID NO:256   EDLQSEHGRCLEDLEFKFKE
SEQ ID NO:257   LSELHEQLLARTSRVEDLEQ
SEQ ID NO:258
ELEALRLSLSNMHTAQLELTQANLQKEKETALTELREMLNSRRAQELALL
SEQ ID NO:259
KELSAKHQSEMEDLQNQFQKELAEQRAELEKIFQDKNQAERALRNLESHH

PROX1
SEQ ID NO:260   QQLEDMQKQLLHVQEKFYQI
SEQ ID NO:261   ELDPGQFIDRARALIREQEM
SEQ ID NO:262   SQVVDTVVKVFSAKPSRQVP
SEQ ID NO:263   PLQIPQARFAVNGENHNFHT
SEQ ID NO:264   TFGNVQMASSTDQTEALPLV
SEQ ID NO:265
FSAKPSRQVPQVFPPLQIPQARFAVNGENHNFHTANQRLQCFGDVIIPNP
SEQ ID NO:266
RESYRENKRKQKLPQQQQQSFQQLVSARKEQKREERRQLKQQLEDMQKQL

HOOK1
SEQ ID NO:267   MEETQPPPQPKLPLCDSLMI
SEQ ID NO:268   WLQTFNTASPCQDVKQLTSG
SEQ ID NO:269   EELQEALAEKEELRQRCEEL
SEQ ID NO:270   IDVLRATSDKANKLESTVEI
SEQ ID NO:271   YRQKLQDLNDLRKQVKTLQE
SEQ ID NO:272
EDVGDNWRIKASNVKKVLQGIMSYYHEFLGQQISEALIPDLNQITECSDP
SEQ ID NO:273
RALEELQEALAEKEELRQRCEELDMQVTTLQDEKNSLVSENEMMNEKLDQ

IGHG1
SEQ ID NO:274   SVFLFPPKPKDTLMISRTPE
SEQ ID NO:275   VTCVVVDVSHEDPEVKFNWY
SEQ ID NO:276   VDGVEVHNAKTKPREEQYNS
SEQ ID NO:277   CLVKGFYPSDIAVEWESNGQ
SEQ ID NO:278   PENNYKTTPPVLDSDGSFFL
SEQ ID NO:279
TYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQV

SEQ ID NO:280
DIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSC

GOLGA2
SEQ ID NO:281   EQQLQAEAEHLRKELEGLAG
SEQ ID NO:282   QLQAQVQDNEGLSRLNREQE
SEQ ID NO:283   QAQVQDNEGLSRLNREQEER
SEQ ID NO:284
EQQLQAEAEHLRKELEGLAGQLQAQVQDNEGLSRLNREQEERLLELERAA
SEQ ID NO:285
AEHLRKELEGLAGQLQAQVQDNEGLSRLNREQEERLLELERAAELWGEQA

KIAA0555
SEQ ID NO:286   AEESELRFRQLTKEYQALQR
SEQ ID NO:287   AYALLQEQTGGIIDAEREAK
SEQ ID NO:288   AQEQLQAEVLRYKAKIEDLE
SEQ ID NO:289   ATLAQKGQIEKQEAENHRLQ
SEQ ID NO:290   QELQDARDQNELLEFRNLEL
SEQ ID NO:291
AEESELRFRQLTKEYQALQRAYALLQEQTGGIIDAEREAKAQEQLQAEVL
SEQ ID NO:292
RYKAKIEDLEATLAQKGQIEKQEAENHRLQQELQDARDQNELLEFRNLEL

LRPPRC
SEQ ID NO:293   MEEANIQPNRVTYQRLIASY
SEQ ID NO:294   MENAENILTVMRDAGIEPGP
SEQ ID NO:295   QTLEKVEKFELHLMDRDLLQ
SEQ ID NO:296   VFGSFFLQHCVTMNTPVEKL
SEQ ID NO:297   TDYCKKLKEVQMHSFPLQFT
SEQ ID NO:298
MENAENILTVMRDAGIEPGPDTYLALLNAYAEKGDIDHVKQTLEKVEKFE
SEQ ID NO:299
IIFSFSKAGYLSMSQKFWKKFTCERRYIPDAMNLILLLVTEKLEDVALQI

Of MAPKAP-K2 Interactors

SET(277)
SEQ ID NO:300   LTRVEVTEFEDIKSGYRIDF
SEQ ID NO:301   YFDENPYFENKVLSKEFHLN
SEQ ID NO:302   TKRSSQTQNKASRKRQHEEP
SEQ ID NO:303   ESFFTWFTDHSDAGADELGE
SEQ ID NO:304   VIKDDIWPNPLQYYLVPDMD
SEQ ID NO:305
LTRVEVTEFEDIKSGYRIDFYFDENPYFENKVLSKEFHLNESGDPSSKST
SEQ ID NO:306
EIKWKSGKDLTKRSSQTQNKASRKRQHEEPESFFTWFTDHSDAGADELGE

35

Of MAPKAP-K3 Interactors

KAISO
SEQ ID NO:307   GVGSKHLMEGQKIITLDTAT
SEQ ID NO:308   EIEGLSTGCKVYANIGEDTY
SEQ ID NO:309   DIVIPVKDDPDEGEARLENE
SEQ ID NO:310   HEIHHTGERRYQCLACGKSF
SEQ ID NO:311   INYQFMSSHIKSVHSQDPSG
SEQ ID NO:312
HDDHYELIVDGRVYYICIVCKRSYVCLTSLRRHFNIHSWEKKYPCRYCEK
SEQ ID NO:313
YQCLACGKSFINYQFMSSHIKSVHSQDPSGDSKLYRLHPCRSLQIRQYAY

PN7771
SEQ ID NO:314   LSLKENSRLENELLENAEKL
SEQ ID NO:315   AEYENLTNKLQRNLENVLAE
SEQ ID NO:316   KFGDLDPSSAEFFLQEERLT
SEQ ID NO:317   QMRNEYERQCRVLQDQVDEL
SEQ ID NO:318   QSELEEYRAQGRVLRLPLKN
SEQ ID NO:319
QVVREKEKLRSDLDKAEKLKSLMASEVDDHHAAIERRNEYNLRKLDGEYK
SEQ ID NO:320
SEECNPLNMSIEAELVIEQMKEQHHRDICCLRLELEDKVRHYEKQLDETV

TSP3
SEQ ID NO:321   ILVELRDDIRDQVKEMSLIR
SEQ ID NO:322   NTIMECQVCGFHEQRSHCSP
SEQ ID NO:323   GPCPPGLQGNGTHCSDINEC
SEQ ID NO:324   AHADPCFPGSSCINTMPGFH
SEQ ID NO:325   CEACPRGYKGTQVSGVGIDY
SEQ ID NO:326
AVTNALHSILGEQTKALVTQLTLFNQILVELRDDIRDQVKEMSLIRNTIM
SEQ ID NO:327
INECAHADPCFPGSSCINTMPGFHCEACPRGYKGTQVSGVGIDYARASKQ

MDH1
SEQ ID NO:328   MSEPIRVLVTGAAGQIAYSL
SEQ ID NO:329   AFKDLDVAILVGSMPRREGM
SEQ ID NO:330   VIIWGNHSSTQYPDVNHAKV
SEQ ID NO:331   VIIWGNHSSTQYPDVNHAKV
SEQ ID NO:332   SSAMSAAKAICDHVRDIWFG
SEQ ID NO:333
KKSVKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRAKAQIALK
SEQ ID NO:334
QYPDVNHAKVKLQGKEVGVYEALKDDSWLKGEFVTTVQQRGAAVIKARKL

GA17
SEQ ID NO:335   ESVVNSVVSLLLILEPDKQE
SEQ ID NO:336   ALIESLCEKLVKFREGERPS
SEQ ID NO:337   LTIFVSAKLASYVKFYQNNK
SEQ ID NO:338   DFIDSLGLLHEQNMAKMRLL
SEQ ID NO:339   LQIGADDVEAFVIDAVRTKM
SEQ ID NO:340
MSVPAFIDISEEDQAAELRAYLKSKGAEISEENSEGGLHVDLAQIIEACD
SEQ ID NO:341
LQIGADDVEAFVIDAVRTKMVYCKIDQTQRKVVVSHSTHRTFGKQRWQQL

CAPN4
SEQ ID NO:342   RQFRRLFAQLAGDDMEVSAT
SEQ ID NO:343   MNILNKVVTRHPDLKTDGFG
SEQ ID NO:344   TCRSMVAVMDSDTTGKLGFE
SEQ ID NO:345   FDTDRSGTICSSELPGAFEA
SEQ ID NO:346   AGFHLNEHLYNMIIRRYSDE
SEQ ID NO:347
EAAGFHLNEHLYNMIIRRYSDESGNMDFDNFISCLVRLDAMFRAFKSLDK
SEQ ID NO:348
MNILNKVVTRHPDLKTDGFGIDTCRSMVAVMDSDTTGKLGFEEFKYLWNN

BAT3
SEQ ID NO:349   ERAPAQNPELTPGPAPAGPT
SEQ ID NO:350   PAPETNAPNHPSPAEYVEVL
SEQ ID NO:351   QELQRLESRLQPFLQRYYEV
SEQ ID NO:352   ESSAEGAPPPGPAPPPATSH
SEQ ID NO:353   PRVIRISHQSVEPVVMMHMN
SEQ ID NO:354
ERAPAQNPELTPGPAPAGPTPAPETNAPNHPSPAEYVEVLQELQRLESRL
SEQ ID NO:355
LGAAATTDYNNNHEGREEDQRLINLVGESLRLLGNTFVALSDLRCNLACT

Of MSK-1 Interactors

ABLIM1(778)
SEQ ID NO:356   GKTYHPNCFACTICKRPFPP
SEQ ID NO:357   GDRVTFNGRDCLCQLCAQPM
SEQ ID NO:358   SSSPKETTFSSNCAGCGRDI
SEQ ID NO:359   DIKNGQALLALDKQWHLGCF
SEQ ID NO:360
GKTYHPNCFACTICKRPFPPGDRVTFNGRDCLCQLCAQPMSSSPKETTFS
SEQ ID NO:361
RDCLCQLCAQPMSSSPKETTFSSNCAGCGRDIKNGQALLALDKQWHLGCF

NICE-4
SEQ ID NO:362   TTQHSSTLSTQQNTLSSSTS
SEQ ID NO:363   HSSSSTFSTTSSTVSAPPPV
SEQ ID NO:364   VSVSSSLNSGSSLGLSLGSN
SEQ ID NO:365   NLPPGVPPLLPNPYIMAPGL
SEQ ID NO:366   LHAYPPQVYGYDDLQMLQTR
SEQ ID NO:367
TSVESEANLHSSSSTFSTTSSTVSAPPPVVSVSSSLNSGSSLGLSLGSNS
SEQ ID NO:368
GLLHAYPPQVYGYDDLQMLQTRFPLDYYSIPFPTPTTPLTGRDGSLASNP

Of p38 ALPHA or MAPK14(360) Interactors

CYT4
SEQ ID NO:369   PEPAELSSGETEELQRIKWH
SEQ ID NO:370   KEKELCIGRKKFNMDPAKGI
SEQ ID NO:371   INLQVLQAFVDCHEFANLNL
SEQ ID NO:372   STDTCYVLSFSIIMLNTSLH
SEQ ID NO:373   DRMMEAFATRYCLCNPGVFQ
SEQ ID NO:374
KFNMDPAKGIQYFIEHKLLTPDVQDIARFLYKGEGLNKTAIGTYLGERDP
SEQ ID NO:375
VDCHEFANLNLVQALRQFLWSFRLPGEAQKIDRMMEAFATRYCLCNPGVF

JNK3A2
SEQ ID NO:376   RPKYAGLTFPKLFPDSLFPA
SEQ ID NO:377   DSEHNKLKASQARDLLSKML
SEQ ID NO:378   VNSSESLPPSSSVNDISSMS
SEQ ID NO:379   TDQTLASDTDSSLEASAGPL
SEQ ID NO:380   RNYVENRPKYAGLTFPKLFP
SEQ ID NO:381
VWYDPAEVEAPPPQIYDKQLDEREHTIEEWKELIYKEVMNSEEKTKNGVV
SEQ ID NO:382
KLFPDSLFPADSEHNKLKASQARDLLSKMLVIDPAKRISVDDALQHPYIN

C-NAP1
SEQ ID NO:383   AAVVEARAQASAAGILEEDL
SEQ ID NO:384   RTARSALKLKNEEVESERER
SEQ ID NO:385   AQALQEQGELKVAQGKALQE
SEQ ID NO:386   LELEENHHKMECQQKLIKEL
SEQ ID NO:387   AQGKALQENLALLTQTLAER
SEQ ID NO:388
QKLTVQREQIRELEKDRETQRNVLEHQLLELEKKDQMIESQRGQVQDLKK
SEQ ID NO:389
RGQIQELEKQREMQKAALELLSLDLKKRNQEVDLQQEQIQELEKCRSVLE

VCL(1066)
SEQ ID NO:390   VTRLAKEVAKQCTDKRIRTN
SEQ ID NO:391   LLQVCERIPTISTQLKILST
SEQ ID NO:392   VKATMLGRTNISDEESEQAT
SEQ ID NO:393   EMLVHNAQNLMQSVKETVRE
SEQ ID NO:394   KIRTDAGFTLRWVRKTPWYQ
SEQ ID NO:395
MSRLVRGGSGTKRALIQCAKDIAKASDEVTRLAKEVAKQCTDKRIRTNLL
SEQ ID NO:396
EQATEMLVHNAQNLMQSVKETVREAEAASIKIRTDAGFTLRWVRKTPWYQ

PSF
SEQ ID NO:397   VGNLPADITEDEFKRLFAKY
SEQ ID NO:398   KPAARKAFERCSEGVFLLTT
SEQ ID NO:399   AQHGTFEYEYSQRWKSLDEM
SEQ ID NO:400   EKQQREQVEKNMKDAKDKLE
SEQ ID NO:401   LSLLRRPGEKTYTQRCRLFG
SEQ ID NO:402
QLRVRFATHAAALSVRNLSPYVSNELLEEAFSQFGPIERAVVIVDDRGRS
SEQ ID NO:403
KPAARKAFERCSEGVFLLTTTPRPVIVEPLEQLDDEDGLPEKLAQKNPMY

Of AKT1 Interactors

FNTA
SEQ ID NO:404   IADILNQDAKNYHAWQHRQW
SEQ ID NO:405   VIQEFKLWDNELQYVDQLLK
SEQ ID NO:406   YFVISNTTGYNDRAVLEREV
SEQ ID NO:407   QYTLEMIKLVPHNESAWNYL
SEQ ID NO:408   KGILQDRGLSKYPNLLNQLL
SEQ ID NO:409
YLKGILQDRGLSKYPNLLNQLLDLQPSHSSPYLIAFLVDIYEDMLENQCD
SEQ ID NO:410
DILNQDAKNYHAWQHRQWVIQEFKLWDNELQYVDQLLKEDVRNNSVWNQR

TPRD
SEQ ID NO:411   NRNSDSAGPFAVPDHLRQDV
SEQ ID NO:412   EALYDQHSNEYVVRNKKLWD
SEQ ID NO:413   MNPKQKCSTLYDYFSQFLEE
SEQ ID NO:414   HGPLDMSNKMFSAEYEFFPE
SEQ ID NO:415   ETRQILEKAGGLKPFLLGCP
SEQ ID NO:416
EETRQILEKAGGLKPFLLGCPRFVVIDNCIALKKVASRLKKKRKKKNIKT
SEQ ID NO:417
NRNSDSAGPFAVPDHLRQDVEEFEALYDQHSNEYVVRNKKLWDMNPKQKC

PPL
SEQ ID NO:418   EFHNSKSSKELDFLREENHK
SEQ ID NO:419   DLKRLSKDKDLEIDELQKRL
SEQ ID NO:420   DWNMFVKLRSQECDWEEISV
SEQ ID NO:421   RYVNKDMSIQELAVLVSGQK
SEQ ID NO:422   VAVKREQRENHLRRSIVVIH
SEQ ID NO:423
LREENHKLQLERQNLQLETRRLQSEINMAATETRDLRNMTVADSGTNHDS
SEQ ID NO:424
RSQECDWEEISVKGPNGESSVIHDRKSGKKFSIEEALQSGRLTPAQYDRY

GOLGIN-84
SEQ ID NO:425   STEKNSLVFQLERLEQQMNS
SEQ ID NO:426   DTETNLAGMYGKVRKAASSI
SEQ ID NO:427   YPIARVFVIIYMALLHLWVM
SEQ ID NO:428   VMIVLLTYTPEMHHDQPYGK
SEQ ID NO:429   MSGIDNGEGTRLRNVPVLFN
SEQ ID NO:430
STEKNSLVFQLERLEQQMNSASGSSSNGSSINMSGIDNGEGTRLRNVPVL
SEQ ID NO:431
DTETNLAGMYGKVRKAASSIDQFSIRLGIFLRRYPIARVFVIIYMALLHL

Of AKT2p55(481) Interactors

CLIC1
SEQ ID NO:432   RYPKLAALNPESNTAGLDIF
SEQ ID NO:433   AKFSAYIKNSNPALNDNLEK
SEQ ID NO:434 VDETSAEDEGVSQRKFLDGN
SEQ ID NO:435   ELTLADCNLLPKLHIVQVVC
SEQ ID NO:436   NAYAREEFASTCPDDEEIEL
SEQ ID NO:437
ESNTAGLDIFAKFSAYIKNSNPALNDNLEKGLLKALKVLDNYLTSPLPEE
SEQ ID NO:438
NLLPKLHIVQVVCKKYRGFTIPEAFRGVHRYLSNAYAREEFASTCPDDEE

AKR7A2
SEQ ID NO:439   GLGLGGGDCRVKIATKANPW
SEQ ID NO:440   EETLHACQRLHQEGKFVELG
SEQ ID NO:441   ELFPCLRHFGLRFYAYNPLA
SEQ ID NO:442   FEAIALVEKALQAAYGASAP
SEQ ID NO:443   TEEGPLEPAVVDAFNQAWHL
SEQ ID NO:444
HQEGKFVELGLSNYASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVET
SEQ ID NO:445
LQAAYGASAPSVTSAALRWMYHHSQLQGAHGDAVILGMSSLEQLEQNLAA

TPRD
SEQ ID NO:446   SNRNSDSAGPFAVPDHLRQD
SEQ ID NO:447   EALYDQHSNEYVVRNKKLWD
SEQ ID NO:448   MNPKQKCSTLYDYFSQFLEE
SEQ ID NO:449   HGPLDMSNKMFSAEYEFFPE
SEQ ID NO:450   ETRQILEKAGGLKPFLLGCP
SEQ ID NO:451
EETRQILEKAGGLKPFLLGCPRFVVIDNCIALKKVASRLKKKRKKKNIKT
SEQ ID NO:452
FAVPDHLRQDVEEFALYDQHSNEYVVRNKKLWDMNPKQKCSTLYDYFSQF

Of P90RSK or RPS6KA1 Interactors

UNR(798)
SEQ ID NO:453   GQSPTGSVCYERNGEVFYLT
SEQ ID NO:454   KKQARCQGVVCAMKEAFGFI
SEQ ID NO:455   VATDVRLLPQGTVIFEDISI
SEQ ID NO:456   DKDTKSKVTLLEGDHVRFNI
SEQ ID NO:457   HSHSDHRFLGTVEKEATFSN
SEQ ID NO:458
GFIKCVDRDVRMFFHFSEILDGNQLHIADEVEFTVVPDMLSAQRNHAIRI
SEQ ID NO:459
CAMKEAFGFIERGDVVKEIFFHYSEFKGDLETLQPGDDVEFTIKDRNGKE

Of IKK-alpha Interactor

GBDR1
SEQ ID NO:460   HKLIHAASERVLSDARTILE
SEQ ID NO:461   ENIQDQDVLLLIKKRAPSPL
SEQ ID NO:462   PKMADVSAEEKKKQDQKAPD
SEQ ID NO:463   KEAILRATANLPSYNMDRAA
SEQ ID NO:464   VQTNMRDFQTELRKILVSLI
SEQ ID NO:465
KSITHHKLIHAASERVLSDARTILEENIQDQDVLLLIKKRAPSPLPKMAD
SEQ ID NO:466
MDRAAVQTNMRDFQTELRKILVSLIEVAQKLLALNPDAVELFKKANAMLD

Of IKK-beta Interactors

KIAA0614
SEQ ID NO:467   SSQESLDISLCSTGSLGSLG
SEQ ID NO:468   VVEIRSRAKIEKIRASLFNN
SEQ ID NO:469   GLEDYFNDKSIKGEKLVPGA
SEQ ID NO:470   QTPGNLLHLFFTNVRPPKKV

41

SEQ ID NO:471   PKFDKSKYSKAGKEQHPVKV
SEQ ID NO:472
EKIRASLFNNNDLIGLSSLDGEDELMEMSTEEILTVSVVNQSLFDTQGSP
SEQ ID NO:473
SIKGEKLVPGAREVLTEIFKSCAHSEQTLSLTPAKPIRVSDIYLSKEQIN

LDHM
SEQ ID NO:474   TESRSSFSQHARTSGRVAVE
SEQ ID NO:475   YRFPPKFTLKAGQVVTIWAA
SEQ ID NO:476   RKLVRSVTVVEDDEDEDGDD
SEQ ID NO:477   RLRSPGGRTHLLWLFCLQCH
SEQ ID NO:478   LRGQSGHPLLPPGQLQPPNP
SEQ ID NO:479
RSSFSQHARTSGRVAVEEVDEEGKFVRLRNKSNEDQSMGNWQIKRQNGDD
SEQ ID NO:480
HLLWLFCLQCHGHSQLPQCGGQWGWQLRGQSGHPLLPPGQLQPPNPEPPE

EIF3S10
SEQ ID NO:481   PDFIMAKQVEQLEKEKKELQ
SEQ ID NO:482   DMDLWEQQEEERITTMQLER
SEQ ID NO:483   ERLAEERHNRLEERKRQRKE
SEQ ID NO:484   ERRITYYREKEEEQRRAEE
SEQ ID NO:485   QMLKEREERERAERAKREEE
SEQ ID NO:486
RITYYREKEEEQRRAEEQMLKEREERERAERAKREEELREYQERVKKLE
SEQ ID NO:487
MAKQVEQLEKEKKELQERLKNQEKKIDYFERAKRLEEIPLIKSAYEEQRI

SLAP-2
SEQ ID NO:488   QADNDFTNERLTALQENQTR
SEQ ID NO:489   MDEQDLNEPLAKVSLLKDDL
SEQ ID NO:490   EEERKAYRNQVEESTKQIQV
SEQ ID NO:491   LHQAAAKVASERDTDIASLQ
SEQ ID NO:492   EDQQREEATRLQGELEKLRK
SEQ ID NO:493
LAKVSLLKDDLQGAQSEIEAKQEIQHLRKELIEAQELARTSKQKCFELQA
SEQ ID NO:494
LHQAAAKVASERDTDIASLQEELKKVRAELERWRKAASEYEKEITSLQNS

SART-1
SEQ ID NO:495   LYSARDLQGLTVEHAIDSFR
SEQ ID NO:496   EKNVELRKKKPDYLPYAEDE
SEQ ID NO:497   SVDDLAQQKPRSILSKYDEE
SEQ ID NO:498   LEGERPHSFRLEQGGTADGL
SEQ ID NO:499   RERELEEIRAKLRLQAQSLS
SEQ ID NO:500
LYSARDLQGLTVEHAIDSFREGETMILTLKDKGVLQEEEDVLVNVNLVDK

SEQ ID NO:501
EIRAKLRLQAQSLSTVGPRLASEYLTPEEMVTFKKTKRRVKKIRKKEKEV

GBDR1
SEQ ID NO:502   HKLIHAASERVLSDARTILE
SEQ ID NO:503   ENIQDQDVLLLIKKRAPSPL
SEQ ID NO:504   PKMADVSAEEKKKQDQKAPD
SEQ ID NO:505   KEAILRATANLPSYNMDRAA
SEQ ID NO:506   VQTNMRDFQTELRKILVSLI
SEQ ID NO:507
ITHHKLIHAASERVLSDARTILEENIQDQDVLLLIKKRAPSPLPKMADVS
SEQ ID NO:508
APDKEAILRATANLPSYNMDRAAVQTNMRDFQTELRKILVSLIEVAQKLL

Of IKK-gamma Interactors

ITRAF
SEQ ID NO:509   TENYEQRIREQQEQLSLQQT
SEQ ID NO:510   ETSARSLGSPLLHERGNIEK
SEQ ID NO:511   NDSTFLHSTPERPGILSPAT
SEQ ID NO:512   AIRGPQQPIWKPFPNQDSDS
SEQ ID NO:513   VVLSGTDSELHIPRVCEFCQ
SEQ ID NO:514
QLLLVNSTQDNNYGCVPLLEDSDTRKNTLTLAQPQDKVISGIAREKLPKV
SEQ ID NO:515
QNLKTTDKTKPSNLVNTCIRTTLDRAACLPPGDHNALYVNSFPLLDPSDA

Of IKK-i Interactors

ITRAF
SEQ ID NO:516   QLLLVNSTQDNNYGCVPLLE
SEQ ID NO:517   ETSARSLGSPLLHERGNIEK
SEQ ID NO:518   IQCTDKTDKQEALFTPQAKD
SEQ ID NO:519   NDSTFLHSTPERPGILSPAT
SEQ ID NO:520   QNLKTTDKTKPSNLVNTCIR
SEQ ID NO:521
AIRGPQQPIWKPFPNQDSDSVVLSGTDSELHIPRVCEFCQAVFPPSITSR
SEQ ID NO:522
QDNNYGCVPLLEDSDTRKNTLTLAQPQDKVISGIAREKLPKVRRQEVSSP

NUMA1
SEQ ID NO:523   STQAALQAMEREAEQMGNEL
SEQ ID NO:524   ALEKAARAELEMRLQNALNE
SEQ ID NO:525   QRVEFATLQEALAHALTEKE
SEQ ID NO:526   GKDQELAKLRGLEAAQIKEL

SEQ ID NO:527   EAAQIKELEELRQTVKQLKE
SEQ ID NO:528
AMEREAEQMGNELERLRAALMESQGQQQEERGQQEREVARLTQERGRAQA
SEQ ID NO:529
VEFATLQEALAHALTEKEGKDQELAKLRGLEAAQIKELEELRQTVKQLKE

SPA1
SEQ ID NO:530   LEDEWQAISEIASTCNTILE
SEQ ID NO:531   GTPKSDAEPEPGNLSEKVSH
SEQ ID NO:532   LESMLRKLQEDLQKEKADRA
SEQ ID NO:533   ALEEEVRSLRHNNRRLQAES
SEQ ID NO:534   ESAATRLLLASKQLGSPTAD
SEQ ID NO:535
LEDEWQAISEIASTCNTILESLSREGQPIPESGDPKGTPKSDAEPEPGNL
SEQ ID NO:536
QKEKADRAALEEEVRSLRHNNRRLQAESESAATRLLLASKQLGSPTADLA

FYCO1
SEQ ID NO:537   SLVSSYLQTQEMVSNFDLNS
SEQ ID NO:538   QLEVREKQLQERMQQLDREN
SEQ ID NO:539   QWEVTQATQNTVKELQTCLQ
SEQ ID NO:540   KNQHLASFPGWLAMAQQKAD
SEQ ID NO:541   NRQQSAQLEQLVKELQLKED
SEQ ID NO:542
LKEDARASLERLVKEMAPLQEELSGKGQEADQLWRRLQELLAHTSSWEEE
SEQ ID NO:543
AVSQQGEQLQTERERGRTAAEDNVRLTCLVAELQKQWEVTQATQNTVKEL

Of Survivin/BIRK5 Interactors

DNCL1
SEQ ID NO:544   MCDRKAVIKNADMSEEMQQD
SEQ ID NO:545   SVECATQALEKYNIEKDIAA
SEQ ID NO:546   HIKKEFDKKYNPTWHCIVGR
SEQ ID NO:547   NFGSYVTHETKHFIYFYLGQ
SEQ ID NO:548
AHIKKEFDKKYNPTWHCIVGRNFGSYVTHETKHFIYFYLGQVAILLFKSG
SEQ ID NO:549
MCDRKAVIKNADMSEEMQQDSVECATQALEKYNIEKDIAAHIKKEFDKKY

ACTB
SEQ ID NO:550   KRGILTLKYPIEHGIVTNWD
SEQ ID NO:551   QIMFETFNTPAMYVAIQAVL
SEQ ID NO:552   GRDLTDYLMKILTERGYSFT
SEQ ID NO:553   AGRDLTDYLMKILTERGYSF
SEQ ID NO:554   GGTTMYPGIADRMQKEITAL

44

SEQ ID NO:555
IEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLNPKANREKMT
SEQ ID NO:556
KIKIIAPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRKCF

KU70
SEQ ID NO:557   FQDMMGHGSDYSLSEVLWVC
SEQ ID NO:558   AKASRARTKAGDLRDTGIFL
SEQ ID NO:559   DLLRKVRAKETRKRALSRLK
SEQ ID NO:560   RTFNTSTGGLLLPSDTKRSQ
SEQ ID NO:561   YLRPSLFVYPEESLVIGSST
SEQ ID NO:562
DLMHLKKPGGFDISLFYRDIISIAEDEDLRVHFEESSKLEDLLRKVRAKE
SEQ ID NO:563
ISVGIYNLVQKALKPPPIKLYRETNEPVKTKTRTFNTSTGGLLLPSDTKR

COPP
SEQ ID NO:564   NQKAAESLADPTEYENLFPG
SEQ ID NO:565   LKEAFVVEEWVKETHADLWP
SEQ ID NO:566   AKQYPLVTPNEERNVMEEGK
SEQ ID NO:567   DFQPSRSTAQQELDGKPASP
SEQ ID NO:568   TPVIVASHTANKEEKSLLEL
SEQ ID NO:569
VVKLWRENLSKVNQKAAESLADPTEYENLFPGLKEAFVVEEWVKETHADL
SEQ ID NO:570
PASPTPVIVASHTANKEEKSLLELEVDLDNLELEDIDTTDINLDEDILDD

OSTP
SEQ ID NO:571   MRIAVICFCLLGITCAIPVK
SEQ ID NO:572   QADSGSSEEKQLYNKYPDAV
SEQ ID NO:573   PDAVATWLNPDPSQKQNLLA
SEQ ID NO:574
MRIAVICFCLLGITCAIPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQ

SLC8A1
SEQ ID NO:575   NFLDGALVLEVDERDQDDEE
SEQ ID NO:576   RAFYRIQATRLMTGAGNILK
SEQ ID NO:577   NCGTVALTIIRRGGDLTNTV
SEQ ID NO:578   DDDIFEEDENFLVHLSNVKV
SEQ ID NO:579   TFEEPVTHVSESIGIMEVKV
SEQ ID NO:580
RREMARILKELKQKHPDKEIEQLIELANYQVLSQQQKSRAFYRIQATRLM
SEQ ID NO:581
TATVTIFDDDHAGIFTFEEPVTHVSESIGIMEVKVLRTSGARGNVIVPYK

A2-CAT
SEQ ID NO:582   AASVEQATQNFLEKGEQIAK

45

SEQ ID NO:583   KKMVKLNYVAARRQQELKDP
SEQ ID NO:584   PSLEERLESIISGAALMADS
SEQ ID NO:585   FREHANKLVEVANLACSISN
SEQ ID NO:586   SLCPQVINAALTLAARPQSK
SEQ ID NO:587
GTMVRAARALLSAVTRLLILADMADVMRLLSHLKIVEEALEAVKNATNEQ
SEQ ID NO:588
PLNIAIDKMTKKTRDLRRQLRKAVMDHISDSFLETNVPLLVLIEAAKSGN

Of COX1 Interactors

THRSP
SEQ ID NO:589   PSLLRDVQLSGPGGQAQAEA
SEQ ID NO:590   TMLKAICVDVDHGLLPREEW
SEQ ID NO:591   QAKVAGSEENGTAETEEVED
SEQ ID NO:592   ESASGELDLEAQFHLHFSSL
SEQ ID NO:593   HHILMHLTEKAQEVTRKYQE
SEQ ID NO:594
PSLLRDVQLSGPGGQAQAEAPDLYTYFTMLKAICVDVDHGLLPREEWQAK
SEQ ID NO:595
ENGTAETEEVEDESASGELDLEAQFHLHFSSLHHILMHLTEKAQEVTRKY

OPA1
SEQ ID NO:596   LVKLAPDFDKIVESLSLLKD
SEQ ID NO:597   DFFTSGSPEETAFRATDRGS
SEQ ID NO:598   KELRKLVLQKDDKGIHHRKL
SEQ ID NO:599   KTSVLEMIAQARIFPRGSGE
SEQ ID NO:600   HEIELRMRKNVKEGCTVSPE
SEQ ID NO:601
FRKVSDKEKIDQLQEELLHTQLKYQRILERLEKENKELRKLVLQKDDKGI
SEQ ID NO:602
MTRSPVKVTLSEGPHHVALFKDSSREFDLTKEEDLAALRHEIELRMRKNV

Of SET(277) Interactor

PN12218
SEQ ID NO:603   TKGHSYPPGPAEVSRLRRCR
SEQ ID NO:604   SAQPSPERQPSPLEPRPVSP
SEQ ID NO:605   AALDALDKAQRQLQACKRRE
SEQ ID NO:606   AREKRAQADARQTLKEHVQD
SEQ ID NO:607   EKRAQADARQTLKEHVQDFA
SEQ ID NO:608
PLGAQADEAGCSAQPSPERQPSPLEPRPVSPSAYMLRLPPPAGAYIQNEH
SEQ ID NO:609
PLGAQADEAGCSAQPSPERQPSPLEPRPVSPSAYMLRLPPPAGAYIQNEH

Of ZFP36 Interactors

CIN85
SEQ ID NO:610   AIVEFDYQAQHDDELTISVG
SEQ ID NO:611   KKDPLTNKAPEKPLHEVPSG
SEQ ID NO:612   VGDIIEVVGEVEEGWWEGVL
SEQ ID NO:613   SESDGGDSSSTKSEGANGTV
SEQ ID NO:614   EKTIGKKLPATTATPDSSKT
SEQ ID NO:615
HDDELTISVGEIITNIRKEDGGWWEGQINGRRGLFPDNFVREIKKEMKKD
SEQ ID NO:616
TKSEGANGTVATAAIQPKKVKGVGFGDIFKDKPIKLRPRSIEVENDFLPV

PN13734
SEQ ID NO:617   EHGEPFIQACMTFLKRRCPSILGG
SEQ ID NO:618   QACAGSVSQELSETILTMVANCSNVMNKA
SEQ ID NO:619   GMTSLSIGGSAAPHTQSMQGFPPNLGS
SEQ ID NO:620   LPVGGLGTGSLTGIGTGALGLPAVNNDPF
SEQ ID NO:621   ANQHFSKEIDDEANSYFQRIYNHP
SEQ ID NO:622
FEEYRFFPQYPDKELHITACLFGGIIEKGLVTYMALGLALRYVLEALRKP
SEQ ID NO:623
DTLLVATDQTERIVEPPENIQEKIAFIFNNLSQSNMTQKVEELKETVKEE

Of TIAL1(375) Interactors

FUBP1
SEQ ID NO:624   MADYSTVPPPSSGSAGGGGGGGGGGGVN
SEQ ID NO:625   EQISRIQQESGCKIQIAPDS
SEQ ID NO:626   EQISRIQQESGCKIQIAPDS
SEQ ID NO:627   PYKVQQAKEMVLELIRDQGG
SEQ ID NO:628   RGRGQGNWNMGPPGGLQEFN
SEQ ID NO:629
MGPYNPAPYNPGPPGPAPHGPPAPYAPQGWGNAYPHWQQQAPPDPAKAGT
SEQ ID NO:630
GGQKRPLEDGDQPDAKKVAPQNDSFGTQLPPMHQQQSRSVMTEEYKVPDG

Of CLIC1 Interactors

LRP1
SEQ ID NO:631   EWLCLLSPSGPVCTCPNGKRLDN
SEQ ID NO:632   NLQCFNGGSCFLNARRQPKCRCQPRYT
SEQ ID NO:633   FTGPKCTQQVCAGYCANNSTCTVNQ

SEQ ID NO:634   AADGSRQCRCTAYFEGSRCEVNKCSRCLE
SEQ ID NO:635   CSNGGSCTMNSKMMPECQCPPHMTGP
SEQ ID NO:636
VFWYKRRVQGAKGFQHQRMTNGAMNVEIGNPTYKMYEGGEPDDVGGLLDA
SEQ ID NO:637
CFLNARRQPKCRCQPRYTGDKCELDQCWEHCRNGGTCAASPSGMPTCRCP

FUS(526)
SEQ ID NO:638   MASNDYTQQATQSYGAYPTQ
SEQ ID NO:639   PGQGYSQQSSQPYGQQSYSG
SEQ ID NO:640   YSQSTDTSGYGQSSYSSYGQ
SEQ ID NO:641   SQNTGYGTQSTPQGYGSTGG
SEQ ID NO:642   YGSSQSSQSSYGQQSSYPGY
SEQ ID NO:643
TGYGTQSTPQGYGSTGGYGSSQSSQSSYGQQSSYPGYGQQPAPSSTSGSY
SEQ ID NO:644
MASNDYTQQATQSYGAYPTQPGQGYSQQSSQPYGQQSYSGYSQSTDTSGY

FUS(525)
SEQ ID NO:645   MASNDYTQQATQSYGAYPTQ
SEQ ID NO:646   PGQGYSQQSSQPYGQQSYSG
SEQ ID NO:647   YSQSTDTSGYGQSSYSSYGQ
SEQ ID NO:648   SQNSYGTQSTPQGYGSTGGY
SEQ ID NO:649   GSSQSSQSSYGQQSSYPGYG
SEQ ID NO:650
NSYGTQSTPQGYGSTGGYGSSQSSQSSYGQQSSYPGYGQQPAPSSTSGSY
SEQ ID NO:651
ASNDYTQQATQSYGAYPTQPGQGYSQQSSQPYGQQSYSGYSQSTDTSGYG

Of NCOA2 Interactors

XE169
SEQ ID NO:652   DTKFLCPLCMRSRRPRLETI
SEQ ID NO:653   LLVALQRLPVRLPEGEALQC
SEQ ID NO:654   PEEPPNYPAAPASDPLREGS
SEQ ID NO:655   LPQLTGPVLELPEATRAPLE
SEQ ID NO:656   EELMMEGDLLEVTLDENHSI
SEQ ID NO:657
VRLPEGEALQCLTERAISWQGRARQALASEDVTALLGRLAELRQRLQAEP
SEQ ID NO:658
DTKFLCPLCMRSRRPRLETILALLVALQRLPVRLPEGEALQCLTERAISW

NAG4
SEQ ID NO:659   QDYPYVMADSLLDVLTKGGH
SEQ ID NO:660   MSLPEDEGHTRTLDTAKEME
SEQ ID NO:661   IFQKKLDETTRLLRELQEAQ

SEQ ID NO:662   PPNMICLLGPSYREMHLAEQ
SEQ ID NO:663   TPGDIVSTYGVRKAMGISIP
SEQ ID NO:664
MSLPEDEGHTRTLDTAKEMEITEVEPPGRLDSSTQDRLIALKAVTNFGVP
SEQ ID NO:665
IFQKKLDETTRLLRELQEAQNERLSTRPPPNMICLLGPSYREMHLAEQVT

ESRRA
SEQ ID NO:666   VAGGPRKTAAPVNALVSHLL
SEQ ID NO:667   VEPEKLYAMPDPAGPDGHLP
SEQ ID NO:668   AVATLCDLFDREIVVTISWA
SEQ ID NO:669   KSIPGFSSLSLSDQMSVLQS
SEQ ID NO:670   VWMEVLVLGVAQRSLPLQDE
SEQ ID NO:671
VAGGPRKTAAPVNALVSHLLVVEPEKLYAMPDPAGPDGHLPAVATLCDLF
SEQ ID NO:672
IPGFSSLSLSDQMSVLQSVWMEVLVLGVAQRSLPLQDELAFAEDLVLDEE

CTNNB1
SEQ ID NO:673   LHYGLPVVVKLLHPPSHWPL
SEQ ID NO:674   VRAHQDTQRRTSMGGTQQQF
SEQ ID NO:675   QLLYSPIENIQRVAAGVLCE
SEQ ID NO:676   IEAEGATAPLTELLHSRNEG
SEQ ID NO:677   GALHILARDVHNRIVIRGLN
SEQ ID NO:678
QRRTSMGGTQQQFVEGVRMEEIVEGCTGALHILARDVHNRIVIRGLNTIP
SEQ ID NO:679
CELAQDKEAAEAIEAEGATAPLTELLHSRNEGVATYAAAVLFRMSEDKPQ

CIT
SEQ ID NO:680   SKIDWNNIRNSPPPFVPTLK
SEQ ID NO:681   YSKALGILGRSESVVSGLDS
SEQ ID NO:682   EVEAVLSQKEVELKASETQR
SEQ ID NO:683   DIREQSRKLQEIKEQEYQAQ
SEQ ID NO:684   RKATECQHKLLKAKDQGKPE
SEQ ID NO:685
IRQAKERAERELEKLQNREDSSEGIRKKLVEAEERRHSLENKVKRLETME
SEQ ID NO:686
IQTKSQQIQQMADKILELEEKHREAQVSAQHLEVHLKQKEQHYEEKIKVL

HSBP1
SEQ ID NO:687   MSLFDLFRGFFGFPGPRSHR
SEQ ID NO:688   FGFGFSFSPGGGIRFHDNFG
SEQ ID NO:689   EGQTLRDSMLKYPDSHQPRI
SEQ ID NO:690   TREDNDLDSQVSQEGLGPVL
SEQ ID NO:691   TRHEADSSPRGDPESPRPPA

SEQ ID NO:692
PKSYFKSISVTKITKPDGIVEERRTVVDSEGRTETTVTRHEADSSPRGDP
SEQ ID NO:693
EEGGSWRRGNPRFHSPQHPPEEFGFGFSFSPGGGIRFHDNFGFDDLVRDF

ROCK2
SEQ ID NO:694   SKQIQQLESNNRDLQDKNCL
SEQ ID NO:695   LQDKNCLLETAKLKLEKEFI
SEQ ID NO:696   LAKVELEKRQLQERFTDLEK
SEQ ID NO:697   IYESIEEAKSEAMKEMEKKL
SEQ ID NO:698   QKDVLNEDVRNLTLKIEQET
SEQ ID NO:699
ERRDRTHGSEIINDLQGRICGLEEDLKNGKILLAKVELEKRQLQERFTDL
SEQ ID NO:700
SQQKINELLKQKDVLNEDVRNLTLKIEQETQKRCLTQNDLKMQTQQVNTL

TILP(392)
SEQ ID NO:701   LKVLNEQLQSKEVELLQLRT
SEQ ID NO:702   KECSDLKIELQKAKQTDPYQ
SEQ ID NO:703   AELLRKLKTSTAIKKACAPV
SEQ ID NO:704   PLPGDVKVLSEKAILQSWTD
SEQ ID NO:705   AFGETKTKTLPLPNLPPLHY
SEQ ID NO:706
ETQQVMRNLNPPSSNWEVEKLSCDLKIHGLEQELELMRKECSDLKIELQK
SEQ ID NO:707
STKLHLMNFTATYTRHPPLLPNGKALCHTTSSPLPGDVKVLSEKAILQSW

LRRFIP2a
SEQ ID NO:708   YMQGLKELKESLSEVEEKYK
SEQ ID NO:709   NEEKSKELERQKHMCSVLQH
SEQ ID NO:710   LWKDKKIGALEKQKEYIACL
SEQ ID NO:711   EPVAGAITVVSQEAAQVLES
SEQ ID NO:712   NDGTVGDLAGLQNGSDLQFI
SEQ ID NO:713
LKEGLRQRDELIEEKQRMQQKIDTMTKEVFDLQETLLWKDKKIGALEKQK
SEQ ID NO:714
SAGEGPLDVRLRKLAGEKEELLSQIRKLKLQLEEERQKCSRNDGTVGDLA

PSAP
SEQ ID NO:715   SLQKHLAELNHQKQLESNKI
SEQ ID NO:716   PQDGPRSKPQPKDNGDVCQD
SEQ ID NO:717   CKNYISQYSEIAIQMMMHMQ
SEQ ID NO:718   PIKKHEVPAKSDVYCEVCEF
SEQ ID NO:719   NKTEKEILDAFDKMCSKLPK
SEQ ID NO:720
MVTDIQTAVRTNSTFVQALVEHVKEECDRLGPGMADICKNYISQYSEIAI

SEQ ID NO:721
QKQLESNKIPELDMTEVVAPFMANIPLLLYPQDGPRSKPQPKDNGDVCQD

Of ER-beta and ESR1 Interactor

NOTCH2
SEQ ID NO:722   MPALRPALLWALLALWLCCA
SEQ ID NO:723   YCQHRDPCEKNRCQNGGTCV
SEQ ID NO:724   CHMLSRDTYECTCQVGFTGK
SEQ ID NO:725   TDVNECDIPGHCQHGGTCLN
SEQ ID NO:726   VNGGTCRQTGDFTFECNCLP
SEQ ID NO:727
TPAHALQCRDGYEPCVNEGMCVTYHNGTGYCKCPEGFLGEYCQHRDPCEK
SEQ ID NO:728
SGFTGEDCQYSTSHPCFVSRPCLNGGTCHMLSRDTYECTCQVGFTGKECQ